

## VICINITY MAP

**QUANTITY ESTIMATE**

| <u>ITEM</u> | <u>QUANTITY</u> |
|-------------|-----------------|
| AC PAVEMENT | 000,000 SF      |

**PRIVATE ENGINEER'S NOTE TO CONTRACTOR**

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES, CONDUITS, OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE THERE ARE NO EXISTING UTILITIES EXCEPT AS SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES SHOWN ON THESE DRAWINGS. THE CONTRACTOR FURTHER ASSUMES ALL LIABILITY AND RESPONSIBILITY FOR THE UTILITY PIPES, CONDUITS OR STRUCTURES SHOWN ON THESE DRAWINGS.

CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL APPLY TO CONTRACTORS AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE COUNTY OF SAN BERNARDINO HARMLESS FROM ANY AND ALL CLAIMS, DAMAGES, LOSSES AND LIABILITIES, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.

## UNAUTHORIZED CHANGES AND USES

THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR OR LIABLE FOR UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS.

## TYPICAL SECTIONS

## CONSTRUCTION NOTES

- ① CONST. AC PAVEMENT PER THE RECOMMENDATIONS OF SOILS TEST

## INDEX MAP

SCALE 1" = XX

## LEGEND

XXXXXX

SHEET 1: TITLE SHEET  
SHEET 2:  
SHEET 3:

## STREET IMPROVEMENT INDEX

CHIEF, TRAFFIC DIVISION      DATE

## STREET IMPROVEMENT GENERAL NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THIS PLAN AND THE SAN BERNARDINO COUNTY STANDARDS AND SPECIFICATION.
  2. BRUSH MARK DATA:
    - a. ELEVATION: 0000.00
  3. STREET MARKERS PER SAN BERNARDINO COUNTY STANDARD NO. 303, 304g AND 303h SHALL BE CONSTRUCTED AT EACH INTERSECTION.
  4. CONSTRUCTION OF CURBS SHALL BE INSTALLED AT EACH INTERSECTION IN ACCORDANCE WITH APPLICABLE SAN BERNARDINO COUNTY STANDARDS. ALL SIGNS SHALL BE INSTALLED IN ACCORDANCE WITH COUNTY AND STATE SPECIFICATION.
  5. A PERMIT WILL BE REQUIRED FROM THE COUNTY OF SAN BERNARDINO DEPARTMENT OF PUBLIC WORKS PRIOR TO ANY ENCROACHMENT OR CONSTRUCTION WITHIN THE COUNTY OF SAN BERNARDINO. LEAVE 6" x 6" BLOCKOUTS IN SIDEWALKS FOR MALLORES, ETC. WHEN SIDEWALK IS PLACE ADJACENT TO CURB.
  7. IF ASPHALT CONCRETE IS TO BE PLACED DIRECTLY ON SUBGRADE OF ROAD OR DRAINAGE FACILITIES, A SOIL STABILANT REGISTERED BY THE E.P.A. FOR USE UNDER A.C. AND P.C.C. SHALL BE UNIFORMLY APPLIED TO THE SUBGRADE AT THE RATE OF 1.0 TO 1.5 PERCENT BY WEIGHT OF THE SUBGRADE. 8. AT COMPLETION OF ROUGH GRADING, A MATERIALS REPORT AND THE PROPOSED STRUCTURAL SECTIONS SHALL BE SUBMITTED BY THE ENGINEER TO THE SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS, FIELD ENGINEERING DIVISION, DEPARTMENT OF PUBLIC WORKS PERMIT SECTION, FOR REVIEW AND EVALUATION. PER THE PAYMENT MANAGEMENT SECTION, THE SUBMITTAL SHALL INCLUDE A PLAN SHOWING RESULTS, A STATEMENT OF RECOMMENDED STRUCTURAL SECTION AND TEST DATA SHEETS FOR ALL R-WALVE TESTS PERFORMED, INCLUDING EXPANSION PRESSURE READINGS. APPROVAL WILL BE GIVEN WHEN ALL STRUCTURAL TESTS OF REINFORCEMENT CONSTRUCTION HAVE BEEN MET.
  9. CONSTRUCTION OF SUBGRADE SHALL BE PERFORMED IN ACCORDANCE WITH SAN BERNARDINO COUNTY FIELD ENGINEERING DIVISION, PUBLIC WORKS DEPARTMENT, FIELD ENGINEERING DIVISION, PUBLIC WORKS PERMIT SECTION FOR APPROVAL PRIOR TO PLACEMENT OF BASE MATERIALS AND/OR FINISH PAVEMENT.
  10. AT THE COMPLETION OF PAVING, A MATERIALS REPORT SHALL BE SUBMITTED TO THE SAN BERNARDINO COUNTY PUBLIC WORKS DEPARTMENT, FIELD ENGINEERING DIVISION AND PERMIT SECTION, LISTING ALL TESTS OR DETERMINATIONS COMPLETED TO VERIFY: a. R-WALVE, SLOPE ANALYSIS AND SAND EQUIVALENT OF AGGREGATE BASES, b. STABILITY, OIL CONTENT AND SIEVE ANALYSIS OF ASPHALT SURFACING.
  11. THE SUBGRADE SHALL BE SUBMITTED TO THE SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS, FIELD ENGINEERING DIVISION, PUBLIC WORKS PERMIT SECTION, FOR REVIEW AND EVALUATION. PER THE PAYMENT MANAGEMENT SECTION, THE SUBMITTAL SHALL INCLUDE A PLAN SHOWING RESULTS, A STATEMENT OF RECOMMENDED STRUCTURAL SECTION AND TEST DATA SHEETS FOR ALL R-WALVE TESTS PERFORMED, INCLUDING EXPANSION PRESSURE READINGS. APPROVAL WILL BE GIVEN WHEN ALL STRUCTURAL TESTS OF REINFORCEMENT CONSTRUCTION HAVE BEEN MET.
  12. SLOPE LATERALS FOR THE WATER SYSTEM SHALL BE INSTALLED AT A LATER DATE WHERE IT IS NECESSARY TO CROSS PAVEMENT, SERVICE LATERALS SHALL BE BORED TO MINIMUM.
  13. FILL AND GRADE TO DRAIN ALL LOW AREAS ADJUTING TRACT ROADS TO A MINIMUM OF 1% GRADES.
  14. ALL LATERAL CUTS AND COUNTRY MAINTAINED ROADWAYS SHALL BE TESTED TO MEET DENSIFICATION 0.5% SHALL BE DENSIFIED TO 95% (c) AT VARIING DEPTHS TO WITHIN 0.5' OF GRADING PLANE. THE TOP 0.5% SHALL BE DENSIFIED TO 95%.
  14. ALL LONGITUDINAL CUTS SHALL BE TESTED IN ACCORDANCE WITH THE SPECIFIED LIMITS AND FREQUENCY.
  15. IMMEDIATELY FOLLOWING REMOVAL OF EXISTING PAVEMENT OR ONE OR CURB AND/OR GUTTER, THE EXISTING SUBGRADE SHALL BE TESTED TO MEET DENSIFICATION 0.5% SHALL BE DENSIFIED TO 95%.
  16. AN ENCROACHMENT PERMIT MUST FIRST BE OBTAINED FROM THE COUNTY DEPARTMENT OF PUBLIC WORKS, FIELD ENGINEERING DIVISION, PUBLIC WORKS PERMIT SECTION, PRIOR TO MAKING APPLICATION AND ISSUANCE OF A GRADING PERMIT OR BUILDING PERMIT.
  17. DEPARTMENT OF PUBLIC WORKS APPROVAL DOES NOT INCLUDE WATER SEWER SYSTEM OR ESTIMATE OF CONSTRUCTION ON THIS PROJECT.
  18. A PERMIT SHALL BE OBTAINED FROM THE COUNTY DEPARTMENT OF PUBLIC WORKS PRIOR TO ANY CONSTRUCTION ON THIS PROJECT.
  19. EXPANSIVE SOILS: IN EXPANSIVE SOIL AREAS, THE SUBGRADE UNDER CURBS, GUTTERS, SIDEWALK AND DRAINAGE FACILITIES SHALL BE CONSTRUCTED TO A MINIMUM OF 18" (18" MINIMUM) AND MOSTURE CONTROL APPROACHES SHALL BE SUBMITTED TO THE SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS, FIELD ENGINEERING DIVISION, PUBLIC WORKS PERMIT SECTION, FOR REVIEW AND EVALUATION. PER THE PAYMENT MANAGEMENT SECTION, THE SUBMITTAL SHALL INCLUDE A PLAN SHOWING RESULTS, A STATEMENT OF RECOMMENDED STRUCTURAL SECTION AND TEST DATA SHEETS FOR ALL R-WALVE TESTS PERFORMED, INCLUDING EXPANSION PRESSURE READINGS. APPROVAL WILL BE GIVEN WHEN ALL STRUCTURAL TESTS OF REINFORCEMENT CONSTRUCTION HAVE BEEN MET.
  20. CURB AND GUTTER, GROSS GUTTER AND SANDPATES SHALL BE SO CONSTRUCTED THAT A MINIMUM OF FOUR INCHES, SECTIONS HAVING GRADIENTS OF 0.5% OR FLATTER SHALL BE WATER TESTED IN THE PRESENCE OF WATER WORK OR IMMEDIATELY FOLLOWING REMOVAL OF EXISTING PAVEMENT OR ONE OR CURB AND/OR GUTTER. THE WATER TEST SHALL BE PERFORMED IN ACCORDANCE WITH THE SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS, FIELD ENGINEERING DIVISION, PUBLIC WORKS PERMIT SECTION, PRIOR TO MAKING APPLICATION AND ISSUANCE OF A GRADING PERMIT OR BUILDING PERMIT.
  21. IF DURING CONSTRUCTION, GROUND WATER IS ENCOUNTERED, A SYSTEM APPROVED BY THE SAN BERNARDINO COUNTY OF PUBLIC WORKS SHALL BE INSTALLED TO DIVERTER SAND AREA AT THE DIRECTION OF THE SOILS ENGINEER.
  22. THIS PRIVATE ROAD SHALL NOT BE ENTERED INTO THE COUNTY MAINTAINED ROAD SYSTEM.
  23. THE ENGINEER SHALL INSPECT AND CERTIFY THAT ALL PRIVATE ROAD AND DRAINAGE IMPROVEMENTS HAVE BEEN BUILT IN ACCORDANCE WITH THE APPROVED PLANS.
  24. ALL 0.40% OR LESS CURB GRADE LINES SHALL BE STAKED AT 25' INTERVALS AND FORMS CERTIFIED BY THE ENGINEER.
  25. EXISTING COUNTY ROADS THAT WILL REQUIRE RECONSTRUCTION SHALL REMAIN OPEN FOR TRAFFIC AT ALL TIMES WITH ADEQUATE DETOURS DURING ACTUAL CONSTRUCTION.
  26. THE PRIVATE ENGINEER IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF WORK HEREIN. THE ENGINEER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE COUNTY OF SAN BERNARDINO.
  27. SHOULD ANY EXISTING STOP SIGN BE LOCATED ON A DEVELOPED CORNER OF AN INTERSECTION, IT MUST BE MAINTAINED IN PLACE NEXT TO THE EXISTING PAVEMENT LANE (S) FEET BEHIND THE NEW CURB IN THE VOLUMINITY FOR IMPACT. AT THAT TIME, IT WILL BE RELOCATED THREE (3) FEET BEHIND THE NEW CURB IN THE VOLUMINITY OF THE BEGINNING OF THE CURB RETURN OR AS OTHERWISE DIRECTED BY THE ENGINEER.
- ## TRAFFIC CONTROL – GENERAL NOTES
1. ALL SIGNING, STRIPING AND PAVEMENT MARKINGS SHALL BE IN CONFORMANCE WITH THE MUTCD 2003 AND THE CALIFORNIA SUPPLEMENT TO THE MUTCD 2003.
  2. ALL STRIPING (LONG LINE) AND PAVEMENT MARKINGS SHALL BE RETROREFLECTIVE PAINT.
  3. ALL SIGNS SHALL BE OF HIGH INTENSITY (FHM TYPE I/V) RETROREFLECTIVE SHEETING, STOP SIGNS SHALL BE DIAMOND GRADE (SMALLER W/V) RETROREFLECTIVE SHEETING, "NO PARKING" SIGNS SHALL BE (FHM TYPE II) SUPER ENGINEERING GRADE RETROREFLECTIVE SHEETING AND ALL OTHER SIGNS SHALL BE (FHM TYPE I) SUPER ENGINEERING GRADE (FHM TYPE I) FLUORESCENT YELLOW-GREEN (Y16) RETROREFLECTIVE SHEETING.
  4. ALL DELINEATORS AND CHANNELIZERS SHALL BE OF (FHM TYPE W) RETROREFLECTIVE SHEETING.
  5. SIGNS SHALL BE MOUNTED ON METAL POSTS SIMILAR TO COUNTY STANDARDS 303 (c) AND 303 (b).
  6. ALL CONFLICTING STRIPING AND PAVEMENT MARKINGS NOT SHOWN ON PLANS SHALL BE REMOVED BY THE CONTRACTOR. REMOVAL SHALL BE ACCOMPLISHED BY SANDBLASTING, GRINDING OR AS DIRECTED BY THE COUNTY REPRESENTATIVE.
  7. ALL CONFLICTING SIGNS SHALL BE REMOVED, RELOCATED OR COVERED BY THE CONTRACTOR. RELOCABLE SIGNS SHALL BE INSTALLED AS SPECIFIED ON THE PLANS OR AS DIRECTED BY THE COUNTY REPRESENTATIVE.
  8. ALL EXISTING SIGNING, STRIPING AND PAVEMENT MARKINGS (i.e. CROSS STREET STOP, STOP LIMIT LINE AND CROSSWALK PAVEMENT MARKINGS) NOT SHOWN ON PLANS, IF REMOVED/ALTERED, SHALL BE REPLACED/RESTORED OF SAME KIND AND IN CONFORMANCE WITH CURRENT EDITION OF THE MUTCD 2003 AND THE CALIFORNIA SUPPLEMENT TO THE MUTCD 2003.
  9. THE CONTRACTOR SHALL NOTIFY COUNTY REPRESENTATIVE TO SCHEDULE A FINAL REVIEW (WALK THROUGH) WITH TRAFFIC DIVISION PERSONNEL, FOR APPROVAL OF TRAFFIC CONTROL DEVICES PRIOR TO PROJECT ACCEPTANCE.

## TRAFFIC CONTROL - GENERAL NOTES

## FIELD BOOK REF

[illegible]

**COUNTY OF SAN BERNARDINO  
DEPARTMENT OF PUBLIC WORKS**

|                           |                |                  |                                |
|---------------------------|----------------|------------------|--------------------------------|
| DESIGNED BY<br>XX         | DRAWN BY<br>XX | CHECKED BY<br>XX | APPROVED BY:                   |
| RECOMMENDED/ APPROVED BY: |                |                  | ASTI, DIRECTOR OF PUBLIC WORKS |
| LAND DEVELOPMENT ENGINEER |                |                  | DIRECTOR OF PUBLIC WORKS       |
| DATE                      |                |                  | DATE                           |

## STREET IMPROVEMENT PLANS

|                |      |          |
|----------------|------|----------|
| TRACT NO. XXXX |      | ROAD NO. |
| TITLE SHEET    |      | FILE NO. |
| SHEET 1        | OF X |          |